

## ABSTRACT OF THE DISCLOSURE

A system for transmitting digital information over a synchronous network includes at least one source node and at least one sink node both coupled with the synchronous network. The source node provides source information sampled at a source sample rate ( $F_{si}$ ) to the synchronous network in the form of digital information. The synchronous network operates on a network master clock rate ( $F_n$ ) with a frequency that may be higher, lower or equal to the source sample rate ( $F_{si}$ ). The digital information is transmitted over the network to the sink node. The sink node processes the digital information to generate synthesized source information.